

01408100 NORTH BRANCH METEDECONK RIVER AT LAKEWOOD, NJ

METEDECONK RIVER BASIN

LOCATION.--Lat 40°06'35", long 74°13'09" referenced to North American Datum of 1983, Lakewood Township, Ocean County, NJ, Hydrologic Unit 02040301, at highway bridge on U.S. Route 9, 0.3 mi north of County Line Road in Lakewood, and 3.6 mi upstream from Muddy Ford Brook.

DRAINAGE AREA.--19.4 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1959-63, 1966. Miscellaneous measurements, water years 1998 to current year.

GAGE.--Staff gage.

DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Date	Discharge, in ft³/s
Nov 8, 2007	12.3
Feb 21, 2008	24.4
May 7, 2008	15.3
Aug 7, 2008	6.42

01408100 NORTH BRANCH METEDECONK RIVER AT LAKEWOOD, NJ—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959-63, 1998 to current year.

REMARKS.--Cooperative Network Site Descriptor: Urban Land Use Indicator, NJ Department of Environmental Protection Watershed Management Area 13.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the NJ Department of Environmental Protection. Determinations of dissolved ammonia, dissolved orthophosphate, and suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 3

[Remark codes: <, less than; E, estimated.]

Date	Time	Instantaneous discharge, ft ³ /s (00061)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO ₃ (00900)
Nov 08...	1110	12	4.8	.155	.122	764	10.6	88	6.6	191	7.5	7.1	36
Feb 21...	1020	24	4.4	.189	.144	770	10.9	79	6.6	198	--	2.2	30
May 07...	1130	15	5.9	.218	.170	758	9.1	92	6.7	188	23.5	15.8	34
Aug 07...	1130	6.4	7.7	.176	.141	754	7.5	85	6.7	202	28.0	21.4	38

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 3

[Remark codes: <, less than; E, estimated.]

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO ₃ (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO ₂ (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total non-filterable, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
Nov 08...	11.0	2.15	2.64	17.5	18	31.6	<.12	9.7	16.9	E105	121	9	.18
Feb 21...	8.92	1.78	1.99	22.0	10	36.3	<.12	7.5	14.7	E102	114	8	.25
May 07...	10.4	1.96	2.45	19.7	17	32.3	<.12	7.3	13.0	E100	122	8	.25
Aug 07...	11.4	2.19	2.91	19.3	23	33.2	E.07	7.6	12.6	E106	--	3	.22

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 3

[Remark codes: <, less than; E, estimated.]

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Total nitro- gen, water, fltrd, mg/L (00602)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L as P (00666)	Phos- phorus, water, unfltrd mg/L as P (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Boron, water, fltrd, µg/L (01020)
Nov 08...	.026	.54	.04	.72	.77	E.008	.011	.032	.7	<.04	.7	3.5	22
Feb 21...	.048	.74	.07	.99	1.1	E.006	.013	.033	1.1	<.04	1.1	5.0	19
May 07...	.039	.64	.08	.89	.97	E.007	.018	.047	1.0	<.04	1.0	4.3	22
Aug 07...	.022	.65	.08	.87	.96	E.007	.019	.052	.9	<.04	.9	3.4	25